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Photomicrographic Equipments

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WILD HEERBRUGG

The incontestable advantage of Photomicrography compared with drawn microscopic pictures lies in its absolute objectiveness.

WILD places two attractive photomicrographic equipments at the disposal of the microscopist, both exemplary as to simplicity and practical efficiency. They permit to work rapidly and reliably within the range of the usual picture sizes and can be combined also with a good Leica type camera.

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Photomicrographic Camera I

The Photomicrographic Camera I is a modern light-weight camera for pictures sized 24 × 36 mm (miniature camera), 4 × 6 ($1^5/_8 \times 2^1/_4$"), 6 × 6 ($2^1/_4 \times 2^1/_4$") and 6 × 9 cm ($2^1/_4 \times 3^1/_4$"). It is a completely versatile camera, which can use plates, sheet film of roll film. Focusing is achieved by the reflex system; the picture shows in natural colour on a ground-glass plate and can be checked for sharpness of definition and field until immediately before exposure. Non-matted diagonals facilitate focusing with a magnifier. The shutter is a sturdy Compur-Rapid, fully synchronized so as to use flash bulbs and electronic flashes and giving the following speeds: B, 1, $^1/_2$, $^1/_5$, $^1/_{10}$, $^1/_{25}$, $^1/_{50}$, $^1/_{100}$, $^1/_{250}$, $^1/_{500}$ sec. This unusual wide exposing range allows to meet all possible situations. In order to rule out shakings, the plate holders are laid in place instead of being inserted through a slide.

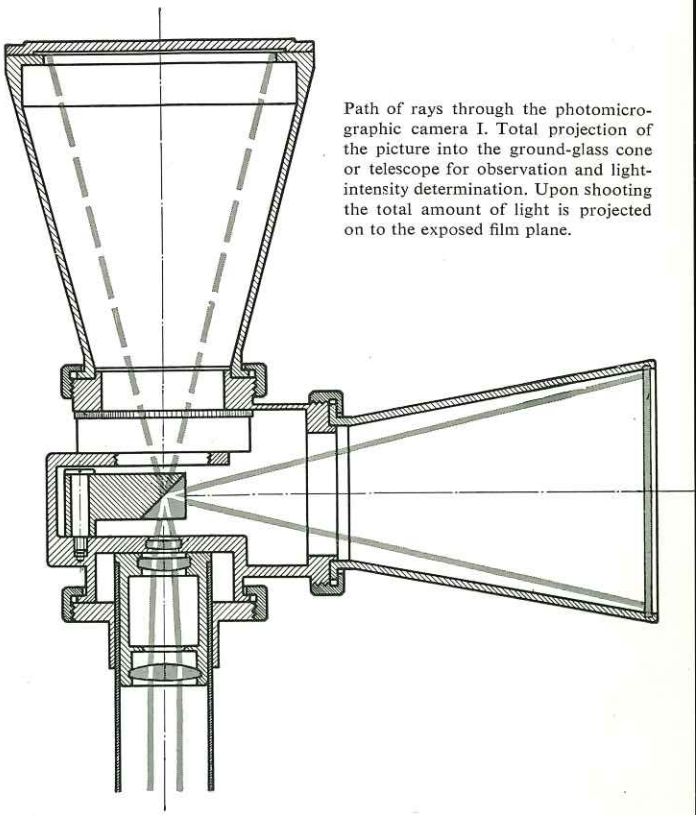
Connected with the monocular straight tube the Photomicrographic Camera I can be used with all types of WILD microscopes.

The ground-glass cone can be interchanged with a **focusing eyepiece** in order to facilitate focusing and observing when working with medium to high power magnifications and preparations poor in contrasts or of low light intensity.

The small frame in the focusing eyepiece corresponds to the picture size covered by a 35 mm film.

WILD photomicrographic camera I with roll film frame and focusing eyepiece

◀ WILD photomicrographic camera I with plate holder and ground-glass cone



Path of rays through the photomicrographic camera I. Total projection of the picture into the ground-glass cone or telescope for observation and light-intensity determination. Upon shooting the total amount of light is projected on to the exposed film plane.

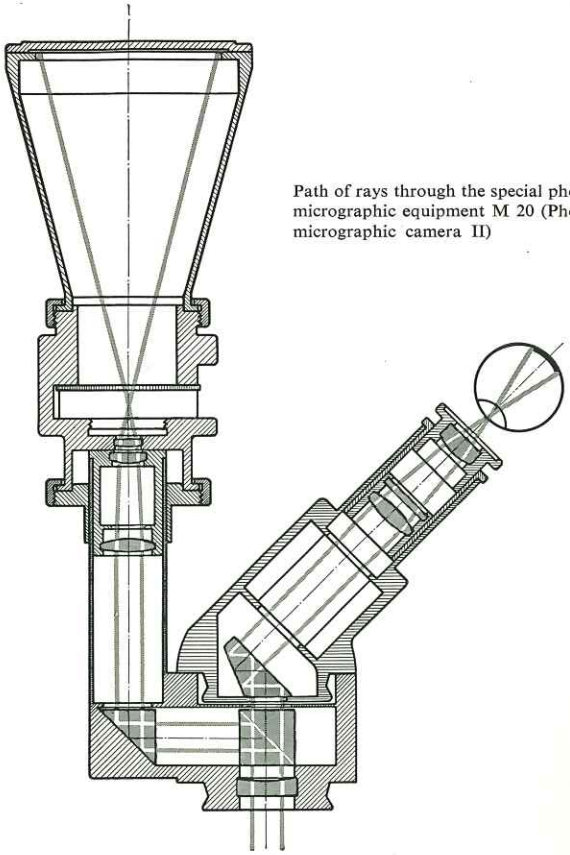
Extent of delivery	Key number
Photomicrographic Camera I with ground-glass cone, two plate holders (6.5 × 9 cm — $2^1/_2 \times 3^1/_2$″) and wire release. For sheet-films and roll-films holders can be delivered according to the different sizes	7500
Achromatic focusing magnifier 6×	7503
Photomicrographic Camera I (6.5 × 9 cm — $2^1/_2 \times 3^1/_2$″) with two plate holders, wire release and **focusing eyepiece** instead of the ground-glass cone. For sheet-films and roll-films holders can be delivered according to the different sizes (see page 6).	7501
Focusing eyepiece only	7502
Fixed monocular straight tube for stand WILD M 10	302
Fixed monocular straight tube for stand WILD M 11	2102
Fixed monocular straight tube for stand WILD M 20	2613
Wire release I (as spare part)	7531
Wooden box for Camera I and accessories . . .	7529

Photomicrographic Camera II

The Photomicrographic Camera II, especially developed for the General Purpose and Research Microscope M 20, is used with the **photo tube H** and the adapted binocular tube M 20. This combination not only permits to observe the preparation binocularly during the exposure but also to focus the preparation with a **format indicating eyepiece** to be placed in the binocular tube. Focusing cannot be rendered easier and simpler than that. About 25% of the light total are used for observation and focusing, the rest is going to the negative. As regards picture sizes and shutter, the data given for the Photomicrographic Camera I apply to the Camera II.

A corresponding intermediate piece permits the use of this combination with the WILD Microscope M 10.

If wished the binocular tube M 11 can also be adapted to the photo tube M. Moreover, it is possible to place the whole combination M 20 on the intermediate piece of the binocular tube M 11.



Path of rays through the special photomicrographic equipment M 20 (Photomicrographic camera II)

Extent of delivery

	Key number
Photomicrographic Camera II with **photo tube H** (factor 1.25), **format indicating eyepiece BK 10** with reticule, two plate holders and wire release. For sheet-films and roll-films holders can be delivered according to the different sizes (see page 6)	7555
Reticules only	
corresponding to photo eyepiece 6.	5690
corresponding to photo eyepiece 10.	5691
corresponding to photo eyepiece 15.	5692
Photomicrographic Camera II only (to use only with photo tube H), with two plate holders and wire release	7550
Photo tube H (factor 1.25) only	2615
Format indicating eyepiece BK 10 only, without reticule.	5630
Wire release II (as spare part)	7530
Intermediate piece for tube M 10, for use of Photomicrographic Special Equipment M 20 on M 10 models	580

Common accessories for Cameras I and II	Key number
Photo eyepiece 6, fixed	5600
Photo eyepiece 10, fixed	5605
Photo eyepiece 15, fixed	5610
Holder for 6.5×9 cm ($2^1/_2 \times 3^1/_2$″) plates	7520
Holder for 6×9 cm ($2^1/_4 \times 3^1/_4$″) roll film	7522
Reducing frame for 6×6 cm ($2^1/_4 \times 2^1/_4$″) pictures	7523
Reducing frame for 4×6 cm ($1^5/_8 \times 2^1/_4$″) pictures	7524
Film magazine for 35 mm film (size 24×36 mm)	
Intermediate piece for Leica	7510
Intermediate piece for Contax	7511
Green filter VG 4 ⌀ 33 mm ($1^1/_3$″), thickness 2 mm (0.079″)	8052
Green filter VG 4 ⌀ 33 mm ($1^1/_3$″), thickness 4 mm (0.158″)	7525 8053

From our manufacturing programme:

Wild M 5 Stereomicroscope
Research instrument with built-in magnification changer. Maximum magnification 200 ×. Suitable for all visual and microphotographic work.

Wild M 11 Laboratory and Field Microscope with monocular or binocular tube
Building-unit construction allows for conversion up to a small research microscope.
New packing with steel hood.

Wild M 20 Universal and Research Microscope for highest requirements
Convertible for microphotographic and cinematographic work, including time-lapse equipment.

Accessories: Modern microscope lamps, e.g. low voltage lamps, Xenon and mercury vapour burners, etc. Phase contrast, dark field, fluorescence and polarising equipment. Microphotographic and microcinematic appliances, time-lapse motion camera equipment.

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